

[54] **DIRECT TELEVISION DRAWING AND IMAGE MANIPULATING SYSTEM**

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### Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 171,155, Aug. 12, 1971, abandoned.

[52] U.S. Cl. .... **358/81**

[51] Int. Cl. .... **H04n 9/02**

[58] Field of Search ..... 178/7.6, 7.7, 5.2, 5.4, 178/DIG. 6, 7.5 SE; 179/1 M, 1 SA; 340/337, 365 P, 324 A, 324 AD, 324.1, 324 R; 358/81

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[57]

### ABSTRACT

This invention enables a person to paint or draw directly into color television. No special probe or stylus is required since a person can use brushes or pens, fingertips, rubber stamps, or any drawing or painting object whatsoever. At the same time, a person can play his free hand over a piano-like keyboard to synthesize images by manipulating or altering the images or forms as they are introduced. It is applicable to graphic productions of all sorts, computer input-output graphic processing systems, for visualizing mathematical transformations, or for use with scanning lasers or electron microscopes that etch or score.

11 Claims, 4 Drawing Figures

